



Amendments to Claims

We claim:

Claim 1. (Previously Presented) A multilayer polymer film comprising at least two incompatible contiguous layers, the incompatible contiguous layers are bound to each other by cross-linking of one layer to the other layer without any adhesive or tie layer.

2. (Original) A film according to claim 1, wherein the cross-linking between two contiguous layers is the result of irradiation of cross-linking additives in both said layers.

3. (Previously Presented) A multilayer film according to claim 1, wherein the polymer film is a barrier shrink film having a polyethylene layer capable of being bound to a contiguous EVOH layer.

4. (Previously Presented) A process for manufacturing a multilayer polymer film having at least two incompatible contiguous layers, comprising providing in each of the two incompatible contiguous layers cross-linking additives without any adhesive or tie layer, and irradiating the film in conditions suitable to induce cross-linking between the two incompatible contiguous layers.

5. (original) A process according to claim 4, comprising providing in a plurality of pairs of contiguous layers cross-linking additives, and irradiating the film under conditions suitable to induce cross-linking between respective members of each of said pairs.

6. (Previously Presented)                      A process according to claim 4, wherein the multilayer polymer film is manufactured using a double-bubble process or a Tenter process.

7. (Previously Presented)                      A process according to claim 4, wherein the radiation is ultraviolet radiation at wavelengths to which the cross-linking additives are sensitive.

8. (Previously Presented)                      A process according to claim 4, wherein the multilayer polymer film to be produced is a barrier shrink film having a polyethylene layer capable of being bound to a contiguous layer of EVOH/PE blend or EVOH layer.